

# HARD ROCK STYLE BETTING PLATFORM

## PRODUCTION-READY WEBSITE DEVELOPMENT FOR DOMINICAN REPUBLIC

### SCOPE OF WORK & COST ESTIMATE - SUMMARY

#### PROJECT OVERVIEW

This document outlines the complete scope of work for developing a **production-ready, enterprise-grade sports betting platform for the Dominican Republic** modeled after Hard Rock's professional betting infrastructure. This will be a fully functional, scalable web application ready for commercial deployment in the Dominican Republic market.

#### PROJECT INFORMATION

Field	Details
Project Name	Hard Rock Style Betting Platform
Project Type	Full-Stack Web Application
Deployment Model	Production-Ready Cloud Deployment
Target Market	Dominican Republic - Licensed Sports Betting Operations
Compliance	Ready for Regulatory Requirements

#### BUSINESS OBJECTIVES

1. **Professional Brand Experience** - Premium, casino-quality betting interface
2. **Scalable Architecture** - Support thousands of concurrent users
3. **Regulatory Compliance** - Built with compliance frameworks in mind
4. **Mobile-First Strategy** - Optimized for mobile betting (70%+ of traffic)
5. **Real-Time Odds Integration** - Live sports data from multiple providers
6. **Payment Processing** - Secure payment gateway integration
7. **User Management** - Complete customer lifecycle management
8. **Analytics & Reporting** - Comprehensive business intelligence

#### TECHNICAL ARCHITECTURE (SUMMARY)

##### Technology Stack

###### Frontend:

- Angular 18, TypeScript, Angular Material, RxJS, NgRx
- Progressive Web App (PWA) capabilities

###### Mobile:

- Flutter (iOS & Android native apps)

###### Backend:

- ASP.NET Core, Dapper ORM, MySQL 8.0+
- JWT authentication, SignalR for real-time communication

###### Infrastructure:

- AWS / Azure cloud hosting
- Docker containerization
- CI/CD pipeline
- CloudFlare CDN & DDoS protection

###### Integrations:

- Odds API, Payment Gateways, KYC Services

#### CORE FEATURES (SUMMARY)

##### 1. User Management System

- Registration with email/phone verification, 2FA, social login
- KYC compliance, age verification, geolocation verification
- User profiles, payment methods, betting preferences, responsible gambling settings

##### 2. Sports Betting Engine

- Bet types: Single bets, Parlay, Teaser, Round Robin, Live/In-Play, Futures, Props
- Real-time odds updates, cash-out functionality, bet builder, quick bet options

##### 3. Sports Coverage

- NFL, NBA, MLB, NHL, NCAA Football/Basketball, Soccer, Tennis, Golf, UFC/Boxing
- Markets: Moneyline, Spread, Totals, Props, Player Props

#### 4. Payment Processing

- Deposits: Credit/Debit cards, E-wallets, Bank transfers, Cryptocurrency (optional)
- Withdrawals: Bank transfer, E-wallet, Check processing
- Security: PCI DSS compliance, tokenized storage, fraud detection

#### 5. Live Betting (In-Play)

- Real-time game updates, live odds refresh, cash-out options, live statistics, game visualization

#### 6. Admin Dashboard

- User management, betting management, financial management, sports data management, analytics & reporting

#### 7. Responsible Gambling

- Deposit/loss/wager limits, time-out options, self-exclusion tools, reality checks

### MOBILE APPLICATION

- **PWA:** Installable on iOS and Android, offline functionality, push notifications
- **Native Apps:** Flutter-based iOS and Android apps with biometric authentication

### SECURITY & COMPLIANCE

**Security:** SSL/TLS encryption, DDoS protection, SQL injection/XSS/CSRF protection, rate limiting, secure password policies

**Compliance:** GDPR/CCPA, age verification (18+), geolocation restrictions, responsible gambling, AML, KYC requirements

### INTEGRATIONS

- **Sports Data:** The Odds API (primary), Sportradar (backup), Betfair Exchange (optional)
- **Payment Gateways:** Stripe, PayPal, Braintree
- **Services:** Email (SendGrid/Mailgun), SMS (Twilio), Push notifications, Analytics, Customer support

### DESIGN REQUIREMENTS

- Hard Rock-inspired premium design
- Custom logo, brand colors, typography
- Modern, clean aesthetic, intuitive navigation
- Fast loading times (< 2 seconds), responsive design
- Accessibility (WCAG 2.1 AA), multi-language support

### SUPPORT & MAINTENANCE

#### Included Support

- Bug fixes and patches
- Performance monitoring
- Security updates
- Basic feature adjustments
- Technical support

#### Ongoing Support & Maintenance

#### Included Services:

- Bug fixes and patches
- Security updates and patches
- Performance monitoring
- Server maintenance
- Backup management
- Basic feature adjustments
- Email and phone support (business hours)
- Monthly status reports
- Database optimization
- Uptime monitoring

### SOURCE CODE & LICENSING

The project will be deployed in compiled form. Source code will not be provided as part of this contract. Maintenance, updates, or enhancements beyond the agreed scope will be charged separately.

### DELIVERABLES

#### Technical Deliverables

1. Compiled production application (deployed)
2. Production-ready database schema

3. API documentation
4. Deployment scripts & configuration
5. Docker containerization
6. CI/CD pipeline setup
7. Security audit report
8. Performance optimization report
9. System documentation
10. Database documentation

#### User Deliverables

1. Live production website
2. Admin dashboard access
3. User accounts for testing
4. Mobile-optimized interface
5. Complete user documentation

#### Business Deliverables

1. Project documentation
2. Maintenance guide
3. Scalability roadmap
4. Future enhancement recommendations
5. Compliance documentation
6. Security certificates
7. Performance benchmarks

## 🚀 DEPLOYMENT & HOSTING

#### Recommended Infrastructure

- **Cloud Platform:** AWS / Azure
- **Database:** Managed MySQL with backups
- **CDN:** CloudFlare for global content delivery
- **Monitoring:** Datadog, New Relic, or similar
- **Backup:** Automated daily backups with 30-day retention

**Note:** Infrastructure costs scale with traffic. Initial setup will be on the lower end, increasing as user base grows.

#### Performance Targets

- Page load time: < 2 seconds
- API response time: < 200ms
- 99.9% uptime SLA
- Support for 10,000+ concurrent users
- Auto-scaling capabilities

## 📋 ASSUMPTIONS & DEPENDENCIES

#### Assumptions

- Client will provide necessary licenses and permits
- Client will handle regulatory compliance requirements
- Sports data API access will be provided
- Payment gateway approvals will be obtained
- Domain name will be provided

#### Dependencies

- Third-party API availability
- Payment gateway approval timeline
- Client feedback and approval cycles
- Regulatory requirements (if applicable)

## ⚠ RISK MITIGATION

#### Technical Risks

- **API Reliability:** Multiple provider integrations with fallback systems
- **Scalability Issues:** Cloud infrastructure with auto-scaling
- **Security Vulnerabilities:** Regular security audits and penetration testing
- **Performance Degradation:** Load testing and optimization

#### Business Risks

- **Scope Creep:** Change management process with additional costs
- **Timeline Delays:** Buffer time included, milestone-based delivery
- **Regulatory Changes:** Modular architecture for compliance updates

## 📞 NEXT STEPS

1. **Initial Consultation** - Discuss requirements and scope

2. **Proposal Review** - Review and approve this scope of work
  3. **Contract Signing** - Execute development agreement
  4. **Kickoff Meeting** - Project initiation and team introduction
  5. **Development Begins** - Start Phase 1 implementation
- 

## **PROJECT STATUS**

Ready to begin development upon contract execution.

---

**Document Version:** 1.0 (Summary)  
 **Date:** November 1, 2025  
 **Status:** Proposal Ready for Review

---

## **SIGNATURES**

By signing below, both parties agree to the terms, conditions, and scope of work outlined in this document.

---

### **DEVELOPER**

Signature: \_\_\_\_\_  
Name: [Developer Name]  
Title: [Title]  
Date: \_\_\_\_\_

---

### **OWNER/CLIENT**

Signature: \_\_\_\_\_  
Name: [Owner/Client Name]  
Title: [Title]  
Date: \_\_\_\_\_

---

*This scope of work represents a comprehensive production-ready betting platform for the Dominican Republic market.*